Project: BASF Facility Cranston, RI Date (11/21)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☑	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (1/1/18)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	N/A	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/21)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Brian Rork		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☑	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☑	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☑	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☑	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (1/21)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☐	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☑	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
11-21	John Gomez	SES	630	1430
11/21/18	Michael James	SES	630	1500
11/21/18	JOHN LEIGHTON	SES	630	3:00
11/21/18	B ROE	SES	6:30	15:00
11/21/18	Charles McCarthy	SES	6:31	15:01
11/21/18	Aaron Ting	AEI	0630	1430
11/21/18	Joseph Drebaum	AEI	0630	14:30
11/21/18	Evan Hamby	AEI	0710	1345

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 11/26/2018

AEI Consultants

Weather: Partly Cloudy, Rain in evening

Daily Precipitation: 0.96"

Temp: 43-13 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.	
	___	Superintendent
	1	Foremen — SES
	___	H&S/QA Officer
	2	Operators — SES
	2	Laborers — SES
	___	Other Trades (Surveyor)

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	___	
	7	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Joseph Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

8,000 gallon frac tank demobilized

WORK COMPLETED:

Emplacing geotextile fabric; Mirafi 180N. About 2% of the total site was covered (approximately 2,025 square feet) on the northern side of the site, adjacent to the 25-foot sewer easement. Imported processed gravel was emplaced ontop of the geotextile fabric. About 170.3 tons of processed gravel delivered.

Conducted soil erosion and sediment control plan inspection. No issues noted.

SES moving construction entrance to northwestern corner of the property to allow for continuation of wedge cut along Mill Street and importation of clean final cover material. Fabric and 1.5-inch stone were emplaced for the construction entrance.

Investigated location of former 1,200 gallon septic tank adjacent to former building 14, located on northwestern portion of the site. Located a brick structure that may have been a part of the septic system. No fluid or other material identified inside the structure. SES to fill in with clean sand in conformance with specifications.

Emplaced about 2,450 square feet of impermeable liner on the southern side of the site.

Continued cutting wedge, about 60 linear feet. To date, about 80% of the wedge has been completed (approximately 800 cy of soil removed and utilized for backfill).

Discussed with R. Kowalski the sewer main manholes (3) located along the northern property boundary and the potential need to extend the height of each. Informed SES and provided map given by Veolia sewer department for SES to locate the sewer manholes. Could not locate.

AEI processed samples collected last Wednesday (11/21/18) on the Dexsil analyzer for PCB analysis. Some samples, based upon results, were sent to the lab for PCB analysis.

AEI setup peimeter dust monitors. A few dust alerts were observed, but upon further investigation, no dust was being generated. Observed the monitor and no issues were noted.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 11/26/18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill ST
CRANSTON RI

Contact:

PROJECTS NOTES MOB TO SITE. TAILGATE TALK SET UP CONSM PAD "MOVE" MAKE NEW ENTRANCE. FINISH ADD 60 LF WEDGE ALONG MILL ST. LAY DOWN [redacted] LINER @ INPUT 5 LOADS OF PROCESS + START 1 'CAP by NEW ENTRANCE CLEAN UP + SECURE SITE

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B Rose	FS	5:30	6:30	15:00	16:00
C. MCCARTHY	FT	6:30	7:00	|	15:30
J. HEFNER	FT	|	|	|	|
J LEIGHTON	OP	|	|	|	|
J GOMES	OP	|	|	|	|

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320
1	CAT 966 Hitachi
1	CAT SKID STEER
1	ROLLER
1	CAT 320 SBS
2	GEN
1	TOILET
1	ROLL OFF

Project: BASF Facility Cranston, RI Date (11/26)	**DAILY SAFE WORK FORM No._**	**SES, Sutton, MA (Page __ of __)**

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 11/26/18 0700		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROE	
Contact phone # (508) 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/26	BRIAN ROE	SES	BR
11-26	JOHN [illegible]	SES	[illegible]
11-26	Joe Hefner	SES	[illegible]
11-26	Charles McCarthy IV	SES	CM
11/26	Aaron Ting	AEI	ACT
11/26	John Gomes	SES	[illegible]
11/26	Joseph Herbaum	AEI	[illegible]

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency's concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
CLAUDIO MEDEIROS	Hill Vrey	11-26-18	[signature]
Tyler Stoll	MJ Mechan	11-26-18	[signature]

Project: BASF Facility Cranston, RI Date (11/24)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (11/26)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzall	☑	Other (list) Vibratory Roller

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (11/26)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (either) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	Not	Item
X		BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/26)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 190 Mill Street Cranston, RI	DATE:
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRAD ROSE		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☒	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 – Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☒	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☒	3,4,5,6	Slip Trip Fall	NA☐ Low☐ Medium☒ High☐	B3 Slip Trip Fall: All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☒	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☒	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	1,2,3,4,5,6	Traffic (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☒	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☒	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☐ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA
☐	4,5	Elevated heights (>4ft)	NA☐ Low☐ Medium☐ High☐	B22 Working from Heights (>4 feet)

Project: BASF Facility Cranston, RI Date (1/26)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	[illegible]	[illegible]	[illegible]	[illegible] feet)
☐	3,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	[illegible]	[illegible]	[illegible]	[illegible] JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☒	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name Brian Roe	Phone –	Email broe@strategic-es.com

Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	11/26/18	**Start/End Time**	0800-0830

Inspection Type
☒ Weekly ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Other

Weather Information

Last Rain Event
Date: N/A **Duration (hrs):** **Approximate Rainfall (in):**

Rain Gauge Location & Source:
On-site weather station (Davis Vantage Pro)

Weather at time of this inspection:
Foggy, 39°F

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		11/26/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	Brian Roe		11/26/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.
FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications RI Soil Erosion and Sediment Control Book	☒Yes ☐No	~~See photo log~~ ACT SES moving entrance at time of inspection	Decon pad available on both lots
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	☒Yes ☐No	See photo log	
3	Project wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Standard Specification/RISEC Handbook	☒Yes ☐No		
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	☒Yes ☐No		
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention/spill containment measures	☒Yes ☐No		
7			☐Yes ☐No		
8			☐Yes ☐No		

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☒Yes ☐No ☐ N/A	See photo log ↓	
2	Are appropriate limits of disturbance (LOD) established?	☒Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒ N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒ N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒ N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	❑Yes ❑No ☒ N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	❑Yes ❑No ☒ N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	❑Yes ❑No ☒ N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ❑No ❑ N/A	see photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ❑No ❑ N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	❑Yes ❑No ☒ N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	❑Yes ❑No ☒ N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	❑Yes ❑No ☒ N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	❑Yes ❑No ❑ N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	❑Yes ❑No ☒ N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	❑Yes ❑No ☒ N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ❑No ❑ N/A	see photo log	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	❑Yes ❑No ☒ N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	❑Yes ❑No ☒ N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ❑No ❑ N/A	See photo log	
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ❑No ❑ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ❑No ❑ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ❑No ❑ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	❑Yes ❑No ☒ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ❑No ❑ N/A	See photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☒Yes ❑No ❑ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ❑No ❑ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ❑No ❑ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ❑No ❑ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ❑No ❑ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ❑No ❑ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A	See photo log	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☒Yes ☐No ☐ N/A	↓	
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☒ N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A	soil wet from rainfall	
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☒Yes ☐No ☐ N/A	See photo log	
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A	↓	
	(Other)			

General Field Comments: N/A

Photos:

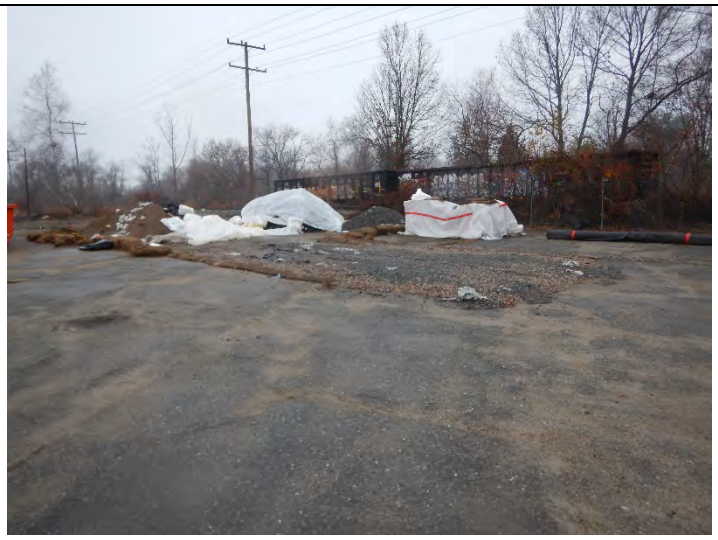
Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 2682 and temporary stockpiles covered by poly.

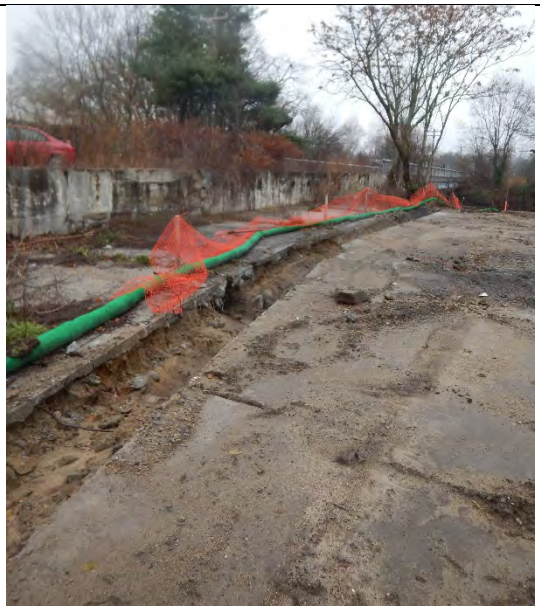
Photo #: 2	Station: Northeast Site
	Description: CFS located along northeast property boundary. Wedge cut made in front of CFS is needed to emplace the final 2-feet of cover material.

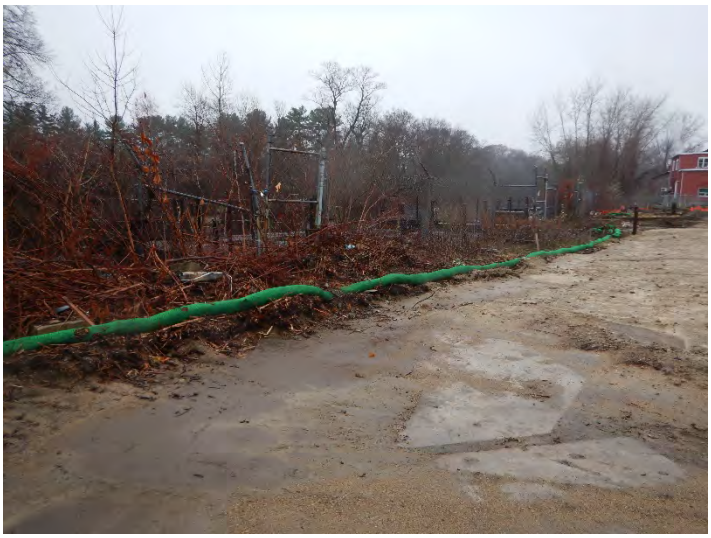
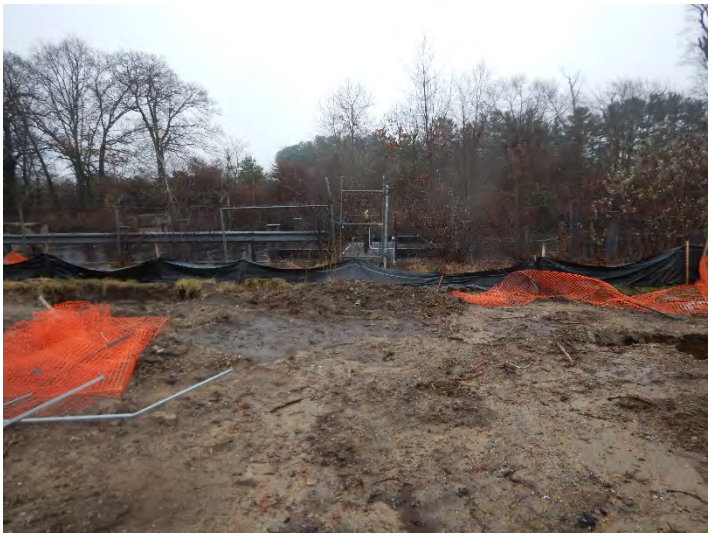
Photo #: 3	Station: East Site
	Description: CFS located along eastern property boundary adjacent to riverway.

Photo #: 4	Station: Northeast Site
	Description: Fractionation tanks to manage onsite groundwater removed from excavations.

Photo #: 5	Station: Southwest Site
	Description: Staked silt fence along southwestern portion of the site adjacent to riverway.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
11/26	B. Rue	SES	06:30	15:00
11-26	J. LEIGHTON	SES	06:30	1500
11/26	John Gomes	SES	0700	1500
11/26	Joe Hefner	SES	0700	1500
11/26	charles McCarthy	SES	0707	1508
11/26/18	Aaron Ting	AEI	0700	1510
11/26/18	Joseph Drebaum	AEI	07:00	1500

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 11/27/2018

AEI Consultants

Weather: Light rain in morning, Cloudy

Daily Precipitation: 0.23"

Temp: 43-13 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	2	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	1	Diprete
	___	
	___	
	___	
	8	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Joseph Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

2 rolls of 40-mil Nilex

WORK COMPLETED:

Continued importation of processed gravel for final cover material. About 180 tons delivered and emplaced onsite.

Mirafi 180N emplaced on the northern side of the site. About 8,100 square feet emplaced and covered with processed gravel.

Impermeable liner emplaced on south/central portions of site; approximately, 10,995 square feet.

AEI contacted Veolia sewer (John Ayotte) about locating three sewer manholes located along the northern property boundary. SES being instructed to hold covering the easement until finding the manholes and raising. A change request, forthcoming, would be issued by SES, reviewed and approved by BASF prior to any manhole work by SES.

AEI collected post excavation soil samples for Dexsil and laboratory analysis of PCBs.

Diprete onsite to conduct surveying.

AEI setup perimeter dust monitors. No dust alerts observed.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 11-27-18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact:

PROJECTS NOTES

MOB TO SITE. H&S TALK. SET UP Roll out Fabric And COVER WITH PRESSES GRAVEL. LAYOUT LINER ABOUT 50% LINER. CLEAN UP PREP FOR MORE LINER mob back TO SHOP

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	FS	6:30	8:00	15:00	16:00
C. MCCARTHY	FT	6:30	7:00	15:00	15:30
J GOMES	OP	6:30	7:00	15:00	15:30
J HEFNER	FT	6:30	7:00	15:00	15:30
J LEIGHTON	OP	6:30	7:00	15:00	15:30

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 330
1	CAT 966 LOADER Hitachi
1	CAT SKID STEER
1	ROLLER
1	CAT 320 SES
2	GEN
1	2" Sub
1	Roll off CAN

SUBCONTRACTORS

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page 1 of 6)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 11/27/18 0710		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROIE	
Contact phone #(508)326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/27	Joe Hefner	SES	JH
11/27	Charles McCarthy IV	SES	CM
11/27	John Gomes	SES	JG
11/27	JOHN LEIGHTON	SES	JL
11/27	Aaron Ting	AEI	ACT
11/27	Joseph Dorhaum	AEI	JD
11/27	B ROIE	SES	BR
11/27	Earle Tunnell IV	Pipeline	ELT

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM	SES (Page 2 of 6)

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM	SES (Page 3 of 6)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM	SES (Page 4 of 6)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	NA	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM	SES (Page 5 of 6)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 11/27
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRIAN ROE		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☐	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☒	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☐	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☒	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☒	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (11/27)	DAILY SAFE WORK FORM	SES (Page 6 of 6)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☒	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name Brian Roe	Phone	Email broe@strategic-es.com

Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	11/27/18	**Start/End Time**	0800-0830

Inspection Type
❑ Weekly ❑ Pre-storm event ❑ During storm event ☒ Post-storm event ❑ Other

Weather Information

Last Rain Event
Date: 11/26-11/27 Duration (hrs): 9 Approximate Rainfall (in): 1.2

Rain Gauge Location & Source:
On-site weather station (Davis Vantage Pro)

Weather at time of this inspection:
Cloudy, 39°F

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		11/27/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	Brian Roe		11/27/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications RI Soil Erosion and Sediment Control Book	☒Yes ☐No	see photo log	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	☒Yes ☐No	see photo log	
3	Project wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Standard Specification/RISEC Handbook	☒Yes ☐No	wet weather so no use of water for dust control during inspection	
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	☒Yes ☐No	see photo log	
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention/spill containment measures	☒Yes ☐No		
7			☐Yes ☐No		
8			☐Yes ☐No		

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☒Yes ☐No ☐ N/A	see photo log	
2	Are appropriate limits of disturbance (LOD) established?	☒Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒ N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒ N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒ N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	❑Yes ❑No ☒N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	❑Yes ❑No ☒N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	❑Yes ❑No ☒N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ❑No ❑ N/A	see photo log	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ❑No ❑ N/A	↓	
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	❑Yes ❑No ☒N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	❑Yes ❑No ☒N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	❑Yes ❑No ☒N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	❑Yes ❑No ☒N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	❑Yes ❑No ☒N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	❑Yes ❑No ☒N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ❑No ❑ N/A	see photo log	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	❑Yes ❑No ☒N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	❑Yes ❑No ☒N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ❑No ❑ N/A	See photo 105	
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ❑No ❑ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ❑No ❑ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ❑No ❑ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	❑Yes ❑No ☒N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ❑No ❑ N/A	See photo 105	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☒Yes ❑No ❑ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ❑No ❑ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ❑No ❑ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ❑No ❑ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ❑No ❑ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ❑No ❑ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A	See photo log	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☒Yes ☐No ☐ N/A	↓	
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☒N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A	wet weather, so limited need for water to control dust during inspection.	
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☒Yes ☐No ☐ N/A	See photo log	
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A	↓	
	(Other)			

General Field Comments:

Photos:

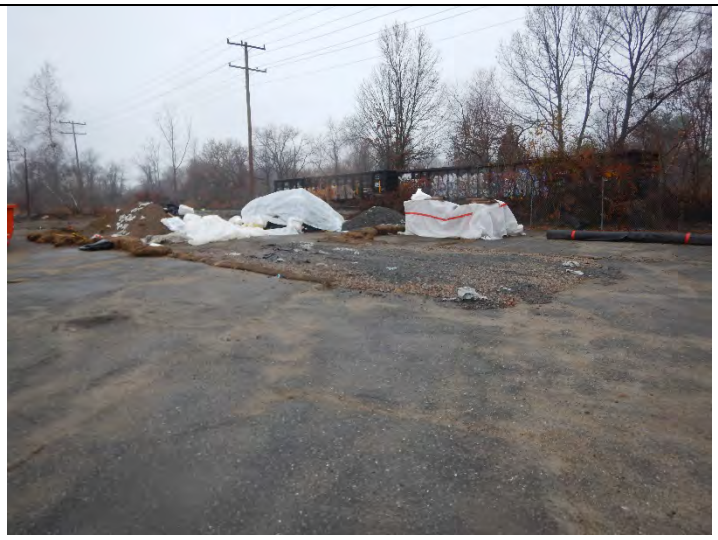
Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 2682 and temporary stockpiles covered by poly.

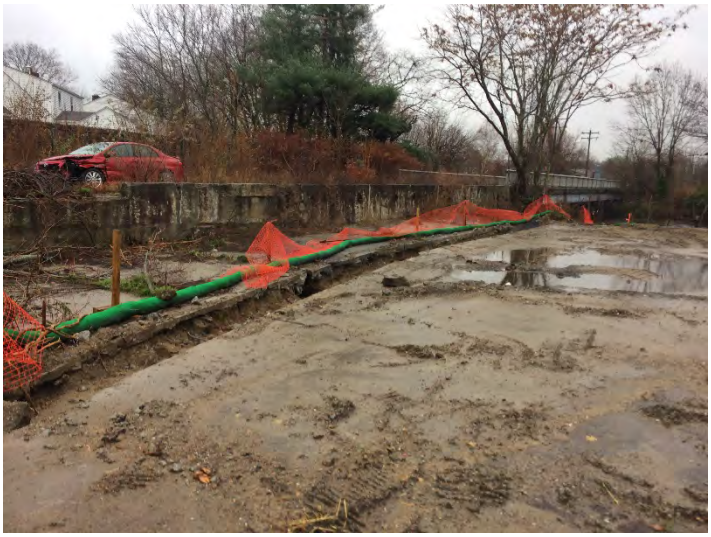
Photo #: 2	Station: Northeast Site
	Description: CFS located along northeast property boundary. Wedge cut made in front of CFS is needed to emplace the final 2-feet of cover material.

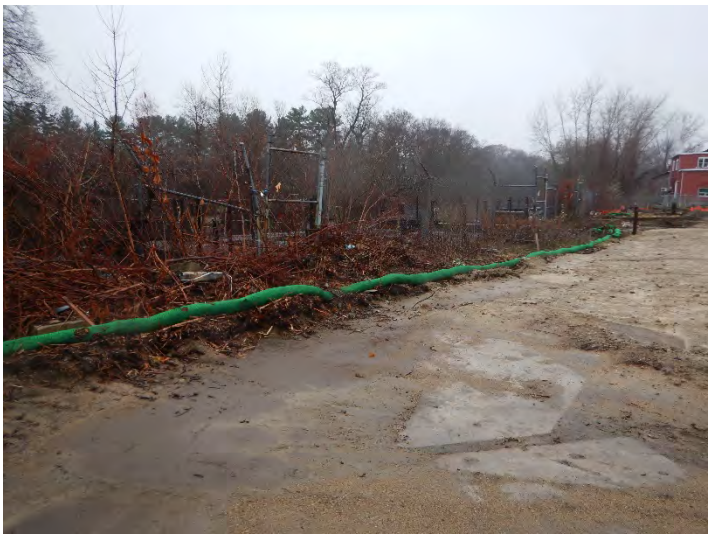
Photo #: 3	Station: East Site
	Description: CFS located along eastern property boundary adjacent to riverway.

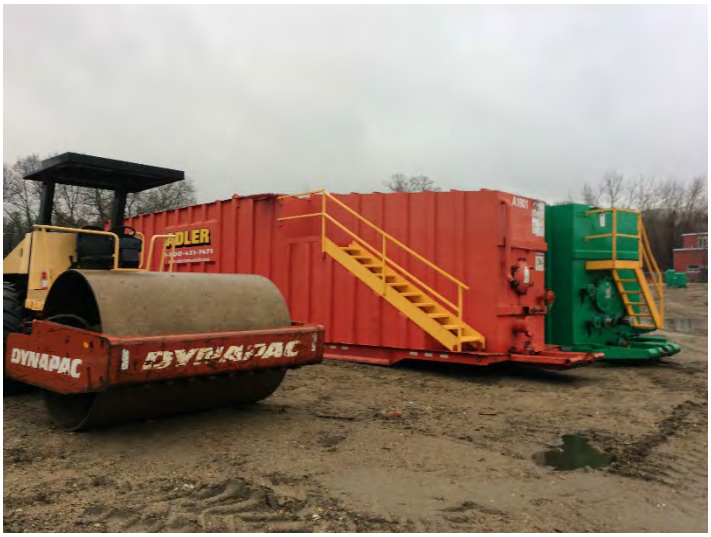
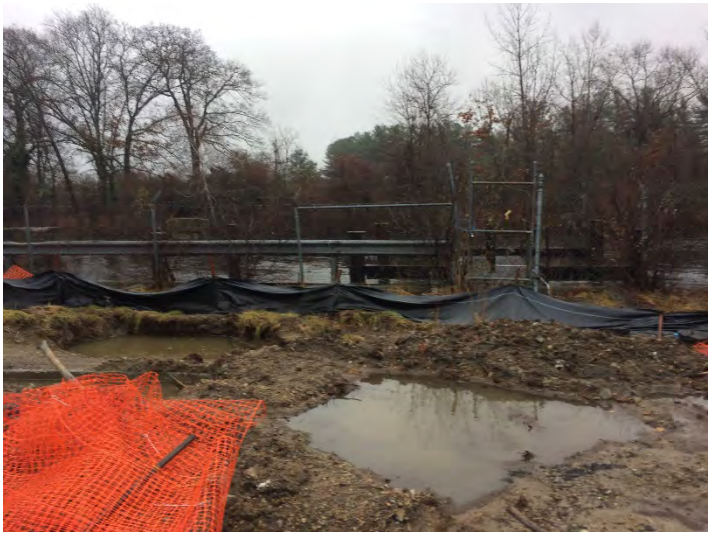
Photo #: 4	Station: Northeast Site
	Description: Fractionation tanks to manage onsite groundwater removed from excavations.

Photo #: 5	Station: Southwest Site
	Description: Staked silt fence along southwestern portion of the site adjacent to riverway.

BASF
180 Mill Street, Lot 1102
Cranston, RI

11/27 Tuesday

Date	Name	Company Name	Time In	Time out
11/27	J. Hefner	SES	0700	1700
11/27	C. McCarthy III	SES	0703	1500
11/27	John Gomez	SES	700	1330
11/27	JOHN LEIGHTON	SES	700	1500
11/27	Joseph Voelbaum	AET	700	1405
11/27	Aaron Ting	AET	0700	1530
11/27	B RUC	SES	08:00	1500
11/27	Earle Tammelleo	Direct	05:00	10:00

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 11/28/2018

AEI Consultants

Weather: Cloudy

Daily Precipitation: 0"

Temp: 43-34 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	1	Superintendent	SES
	1	Foremen	SES
		H&S/QA Officer	
	1	Operators	SES
	2	Laborers	SES
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	7	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Joseph Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

Continued importation of processed gravel for final cover material. About 305.3 tons delivered and emplaced onsite.

Mirafi 180N emplaced on the northern side of the site. About 8,100 square feet emplaced and covered with processed gravel. About 10% of total site covered to date. ACT 11/28/18 CL

Redigging of soils within floodway. About 4 yards of Type 2A soils and 25 yards of Type 1B soils removed. 1B soils used as onsite backfill and Type 2A stockpiled on Lot 1102 for future offsite transport to the RIRRC disposal facility in Johnston, RI. AEI collected post excavation soil samples for Dexsil and laboratory analysis of PCBs.

AEI setup perimeter dust monitors. No dust alerts observed.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 11/28/18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill ST
CRANSTON RI

Contact:

PROJECTS NOTES MOB TO SITE H&S MEETING. LAY OUT MORE FABRIC 8,100 SQFT INPORT (11) LOADS PROSPECT GRAVEL + SPREAD + COMPACT. PUT UP FENCE BETWEEN PROPERTIES. CLEAN UP SITE REDIG DRILL #480 25 YDS AND DRILL 462 40SY

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROSE	FS	5:30	6:30	15:30	16:30
C MCARTHY	FT	6:30	7:00	15:30	16:00
J HEFNER	FT	6:30	7:00	15:30	16:00
J GOMES	OP	6:30	7:00	15:30	16:00
J LEIGHTON	OP	6:30	7:00	15:30	16:00

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 LOADER Hitachi
1	CAT SKID STEER
1	ROLLER
1	CAT 320 SES
1	TOILET
2	GEN

SUBCONTRACTORS

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM No.	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time) 11/28/18 0700	
Location of Work	180 Mill Street, Cranston, RI

Strategic Environmental Services, Inc. (SES)
Primary/Lead Company Name: SES
Contact Person: BRIAN ROLE
Contact phone # (508) 326-6523

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed **by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial** Health and Safety Orientation. Thereafter, a **tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site** Health and Safety Officer. **By signing below,** an individual **certifies that** he has read, understood, and will observe the contents **of this HASP and Daily Safe Work Form with Pre-Task Planning Form.**

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/28	B Role	SES	BR
11/28	J Hefferr	SES	[illegible]
11/28	Joseph Dureham	AET	JD
11/28	Charles McCarthy II	SES	CM
11/28	Aaron Ting	AET	ACT
11/28	Bob Maddock	SES	RM
11/28	John Ganaes	SES	JG

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	N/A	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRIAN ROE		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☒	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☒	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☒	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☒	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☒	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☒	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☒	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☒	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

11/28
Wed

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
11/28/18	B. Rose	SES	06:30	15:30
11/28/18	J. Gomes	SES	0700	1530
11/28	J Hefner	SES	0700	1400
11/28/18	Joseph Dreben	AEI	0700	15:30
11/28/18	Charles McCarthy II	SES	0701	15:30
11/28/18	Aaron Tims	AEI	0930	1430
11/28/18	Bob Maddock	SES	0930	1010

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 11/29/2018

AEI Consultants

Weather: Partly Cloudy

Daily Precipitation: 0"

Temp: 45-37 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	2	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	___	
	7	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Rick Kowalski 1
Joseph Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

Excavator with hoe ram attachment

WORK COMPLETED:

Hammered concrete (full day) for sampling of deep excavations, per EPA request made in November 2018. Nine concrete samples were collected by AEI for PCB analysis (lab only). Hammered other areas with concrete as needed. The hammer was decontaminated at the end of the day using the double wash rinse method.

Continued importation of processed gravel for final cover material. About 305.6 tons delivered and emplaced onsite.

Mirafi 180N emplaced on the northern side of the site. About 5063 square feet emplaced and covered with processed gravel. About 15% of the total site covered to date.

Prepared site for impermeable liner emplacement by smoothing out areas using excavator bucket.

AEI setup perimeter dust monitors. No dust alerts observed.

Cut wedge along Mill St. About 44 cy removed and stockpiled for backfill. SES has completed about 95% of the wedge cut to date. ACT 11/29/18 CL

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

302 Putnam Hill Road
Sutton, Massachusetts 01590
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STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 11/29/18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact:

PROJECTS NOTES MOB TO SITE H&S TALK. LAYOUT FABRIC INSTALL (9) LOADS OF PROSSES GRAVEL. FINISH WEDGE ALONG FLOOD PLAIN. APROX 120 LF 44 CY HAMMER UP IN CELL 437, 418 AND SAMPLE HAMMER UP COUPLE LIL PIECES OF CONCRETE IN CELL 395 AND HAMMER UP 2 PIECES IN CELL 459 CLEAN UP TEMP FENCING AND AREA

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROSE	FS	5:30	6:30	15:00	16:00
C. MC CARTHY	FT	6:30	7:00	↓	15:30
J LEIGHTON	OP	↓	↓	↓	15:30
J GOMES	OP	↓	↓	↓	15:30
J HEFNER	FT	↓	↓	↓	15:30

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320 ↘
1	CAT 966 HILWIEW
1	CAT SKID /
1	ROLLER
1	CAT 320 SES
2	GEN
1	TOILET
1	ROLL OFF
1	CAT 322 W HAMMER

SUBCONTRACTORS

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 11/29/18 0710		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROFE	
Contact phone # (508)326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/28	B. Rofe	SES	[signature]
11/29	J. LEIGHTON	SES	[signature]
11/29	J. Hefner	SES	[signature]
11/29	J. Coombs	SES	[signature]
11/29	C. McCarthy IV	SES	[signature]
11/29	Joseph Drehavin	AET	[signature]
11/29	Gareth Kowalski	AET	[signature]

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (11/19)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (11/28)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☒	Other (list) Hammer attachment

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (11/29)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	N/A	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/18)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRIAN ROE		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☑	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☑	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☑	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☒	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☑	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (11/29)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☒	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Discussed safety procedures and PPE requirements w/ use of hammer.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
11/29	B. Rose	SES	06:30	1500
11/29	John Gomes	SES	700	1500
11/29	JOHN LEIGHTON	SES	700	1500
11/29	J Hefner	SES	7:00	1500
11/29	C. McCarthy	SES	7:06	1500
11/29	Joseph Vadnais	AEI	700	15:00
11/29	Rick Kowalski	AEI	7:05	14:55
~~11/29~~	~~John Gomes~~	~~SES~~	~~715~~	

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 11/30/2018

AEI Consultants

Weather: Partly Cloudy

Daily Precipitation: 0"

Temp: 42-29 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	2	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	___	
	7	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Joseph Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

Excavator with hoe ram attachment (demobilized)
CAT D3C dozer

WORK COMPLETED:

Excavated stake location 389-399, Type 2A, 5' depth. About 74 cy of soil removed and temporarily stockpiled on Lot 1102 for future transport to RIRRC in Johnston, RI. AEI collected post excavation soil samples for PCB analysis (lab only due to interference from chlorinated compounds in soil).

Continued importation of processed gravel for final cover material. About 168 ACT 11/30/18 CL tons delivered and emplaced onsite.

Mirafi 180N emplaced on the northern side of the site. About 10,126 square feet emplaced and covered with processed gravel. About 25% of the total site covered to date.

AEI investigated concrete pipe that traverses the property boundaries between Lot 1102 and Lot 2630. The concrete pipe did not contain any noticeable liquids or other material and no connections or other subsurface structures were observed to be connected to the pipe. AEI intends to request more information from Veolia sewer, when onsite next Monday, before capping.

AEI setup perimeter dust monitors. No dust alerts observed.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

DAILY WORKSHEET

STRATEGIC ENVIRONMENTAL SERVICES

Date: 11/30/18

Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST

CRANSTON RI

Contact:

PROJECTS NOTES MOB TO SITE H&S TALK. INPOINT 5 LOADS PRESSED GRAVEL SPREAD + COMPACT DIG OUT CELL 398 2A 74 YDS. AND STOCK PILE FOR SAMPLING HOLE CLEANUP. MAX 25° OF FABRIC ROLLED OUT CONCRETE + COMPACTED

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROSE	FS	5:30	6:30	15:00	16:00
C. MCCARTHY	FT	7:00	7:30	15:00	15:30
J. LEIGHTON	OP	6:30	7:00	15:00	15:30
J. GOMES	OP	6:45	7:15	14:30	15:30

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 (HILLVIEW)
1	CAT SKID
1	ROLLER
1	CAT 320
2	GEN
1	TOILET
1	SERVICE TRUCK

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (11/30)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 11/30/18 0710		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROSE	
Contact phone # (508) 376-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/30	B ROSE	SES	
11/30	J. LELOHTON	SES	
11/30	Joseph Drebaum	AEI	
11/30	Jon Cone	SES	
11/30	Paul Saccente	SES	PS
11/30	Bob Maddock	SES	BM
11/30	Russ Kennedy	AEI	
11/30	Aaron Tins	AEI	ACT
11/30	Charles McCarthy	SES	CM

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (11/30)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (11/30)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	~~Roll-off Tractor Truck~~
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (11/30)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	NA	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (11/30)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRIAN ROTE		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☑	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☑	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☑	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF Cranston Facility

Excavated Materials Management Sheet

CMI Soil Remediation

Excavation Date:	Source Location (station, offset, etc.) Cross-Ref w/ Map:	Field Screening Results (PID - ppm):	Sample Date:	Lab Result:	Location in Stockpile Yard (Cross-Ref w/ Map)	Reuse on/offsite	Offsite location	Placement Date:
11/14	CELL 363 2A 4.55							
11/14	CELL 393 2B 1YD							
11/16	Cell #400 2A NEW 1.5 yard							
11/20	CELL #435 RIDGE 2C 10.05 TON							
11/28	CELL #480 25 YDS							
11/28	CELL #462 4 YDS							
11/30	CELL #398 2A 74 YDS							

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
11·30·18	J. LEIGHTON	SES	700	15 10
11/30/18	B ROSE	SES	06:30	15:30
11 30 18	Joseph Dorham	AET	0705	15:30
11/30/18	J. Gomes	SES	715	1430
11/30/18	C. McCarthy ID	SES	725 - 8:09	-1217 - 3:10
11/3d/18	Paul Sacuenta	SES	0900	10:45
11/3d/18	Bob Maddock	SES	0930	10:45
11/30/18	Rick Kowalski	AEI	0935	11:45
11/30/18	Aaron Ting	AEI	0920	1545

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 12/3/2018

AEI Consultants

Weather: Partly Cloudy

Daily Precipitation: 0"

Temp: 58-31 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
ACT 12/3/18 RE	1	Operators	SES
3 2	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	4	Veolia Water/Sewer
	___	
	___	
	___	
11 ACT 12/3/18 RE	10	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Josh Klement 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system, CAT D3C dozer
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

Veolia water and sewer department onsite to locate sewer main manholes. Located one due to difficulties with GPS unit. Veolia foreman to send AEI coordinates for survey to locate when onsite this week. AEI to reconnect with Veolia following survey. only ACT 12/3/18 CL

Continued importation of processed gravel for final cover. About 289.7 tons were delivered to the site and stockpiled awaiting final emplacement.

Decontaminated two fractionation tanks (one 21,000 gallon and one 20,000 gallon frac tank). A separate PTP/SWP were prepared for the work and is attached to this daily report.

SES lined and loaded the two railcars onsite PW-20008 and PW-30016 with Type 2B soils and asphalt which had been impacted by the Type 2B/2C/3 soils stockpiled on top. 1/3 ACT 12/3/18 CL (half day) ACT 12/3/18 CL

Redig Type 2A soil location. About 3 cy of soil removed and live-loaded directly into an 18-cy dump trailer for transport to the RIRRC facility in Johnston, RI.

Live-loaded Type 2A soils/debris stockpiled onsite into 18-cy dump trailers for transport to RIRRC. About 120 tons of soil and 30 tons of debris were transported to the facility.

AEI conducted a soil erosion and sediment control plan inspection 12/3/18 CL No issues noted.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 12-3-18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact:

PROJECTS NOTES: MOB TO SITE TAILGATE TALK LINE RAIL CARS PW 2008 B2 ——— 3 ——— AND STRIP ASPHALT ON LAYDOWN AREA AND PUT INTO PW 30006 ———. INPUT OF LOADS OF PASSES GRAVEL ASSIST VEOLIA WITH DIGGING UP AREA FOR SEWAGE PIPING. EXPORT (4) LOADS TO RIRRC. RR LOADS FROM CELL 398 AND ROAD CELL #388 3YDS

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROSE	5:30	~~6:30~~	14:00	15:00	
C. MCANDREW	6:30	6:30	14:00	14:30	
J LEIGHTON	6:30	7:00	14:00	14:30	
M. JAMROS	5:30	6:30	14:00	15:00	
B. SULLIVAN	6:30	7:00	14:00	14:30	

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320
1	CAT 966 LOADER
1	CAT synchro TRACK LOADER
1	D3 DOZER
1	~~ROLLER~~ ROLLER
1	CAT 320 SES
1	ROLL OFF CAN
1	TOILET
2	GRN

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (12/3)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 12/3/18 0700		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROSS	
Contact phone # 508) 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
12/3	B ROSS	SES	
12/3	MICHAEL JAMES	SES	MJ
12/3	AARON TING	AEI	AT
12/3	JOHN LEIGHTON	SES	JL
12/3	Joshua Klement	AEI	JK
12/3	Brett Sullivan	SES	BS
12/3	Charles McCarthy III	SES	CM
12-3-2018	Ted DeMarco	Veolia	T.D.
12-3-2018	ANTHONY DEMAIO	VEOLIA	A.D.
12-3-18	John Ayotte	Veolia	JCA
12-3-18	James Thomas	Veolia	JT

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Tyler Stahl	MJ Mepha	12-3	

Project: BASF Facility Cranston, RI Date (12/3)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (12-3)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☐	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☑	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (1/23)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	MA	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (12-3)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: BRIAN ROR		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
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☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☑	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☑	Task 4 – Transportation and Disposal of Contaminated Material
☑	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☑	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☐	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☑	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☑	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (12-3)	DAILY SAFE WORK FORM	SES (Page __ of __)

☑	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☑	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☑	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☐	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Discussed Veolia SOW and no CS needs or other H&S items needed to complete their work — inspection/location of onsite sewer manholes.

COMPANY NAME (performing work): SES	PROJECT / JOB / TASK (Description): Decontamination of frac tanks	LOCATION: 180 Mill Street Cranston, RI	DATE: 12/3/18
PRE-TASK PLAN (PTP)	SUPERVISOR: ~~Brian Fee~~ Brett Sullivan		
Safe Work Permit Number:	CREW SIGN OFF: Charles McCarthy IV Brett Sullivan Michael JAMROZ		

SEQUENCE OF TASK / JOB STEPS (Consider Equipment, Tools and Conditions)	POTENTIAL HAZARDS (Energy forms – Motion, Chemical, Radiation, Electrical, Gravity, Heat/Cold, Biological, Pressure)	RECOMMENDED ACTION OR PROCEDURE (When possible... Eliminate the energy, Control and/or Protect against unwanted contact/release)
Mobilization/Evaluation	Hazardous atmosphere, tank configuration, exits and entrances	Evaluate air conditions using 4-gas meter, overview frac tank for hazardous materials
Confined Space Entry/Decon	chemical, emergency procedures/ conditions	Confined space permit identifying communication methods, procedures, emergency plan. Workers don tyvek suits, boots, chemical resistant gloves, respirators, hearing protection Safety retrieval harnesses worn by all workers in frac tank. Spotter in person at frac tank during entire operation. Rescue personnel and equipment must be on site during all CSE work.

(Use and attach extra paper if needed, then attach this PTP to Permit for issuance)

BASF INACTIVE SITES	SAFE WORK PERMIT	BASF The Chemical Company

Servicing or Maintenance Work Description		
Description of Work:	Decontamination of Fractionation Tanks	
Start Date / Time	12/3/18 0830	
Location of Work	180 Mill Street, Cranston RI Lot 1102	

Servicing or Maintenance Work Provider Identification		
Company Name	SES	# personnel 3
Contact Person	Brian Poe	# / type vehicles 1 / Support truck
Contact phone #	508-326-6523	

This work also requires the use of the permits checked below
☒ CONTRACTOR SAFETY PLAN DOCUMENTS
☐ LOCK, TAG, AND TRY PERMIT
☒ PRE-TASK PLANNING FORM
☒ CONFINED SPACE ENTRY PERMIT

Risks and Hazards Identification Identify the source/s used and include necessary specific information

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	
	X	MSDS review / includes any 'new' chemicals	
	X	Crane Operations	
X		Elevated Work	scaling up and down fractank ladders
X		Environmental Conditions	air conditions in tank, material in tank (residual)
X	X	Heavy Powered Mobile Equipment Use	generator use / electrical safety
X	X	Language / Communication Difficulties	hearing inside tank / use of PPE
	X	Materials to be used	
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
	X	Trenching / Excavation	
	X	Utilities System tie-in / restrictions	
X	X	Other Risks or Hazards	Confined space entry

Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	
	X	Barricades needed	
	X	BASF equipment / materials to be used	
X		Electrical safety equipment required	GFCIs, road bumps to protect cords from vehicle traffic
	X	Elevator use	
X		Emergency Equipment	Safety/retrieval harness, fire extinguisher
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	GFCI for lines to generator
	X	Temporary Utilities services	
	X	Trench / Excavation Boxes	
X		Other Requirements	Air monitoring equipment (i.e 4-gas meter)

Safe Work Permit

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☒ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (either) ☐ Fiberglass ☐ Plastic
X		Safety Glasses
	X	Goggles ☐ Chemical ☐ Dust
X		Faceshield
X		Hearing Protection ☒ Plugs ☒ Muffs
X		Respirator ☒ Half-mask ☒ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
	X	OTHER PPE

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
X		Chemical Suit ☒ Jacket ☒ Pants
X		Personal Fall Protection Equipment
	X	Gloves ☒ Chemical ☐ Work
X		Safety Shoes
X		Boots ☒ Rubber ☐ Other
	X	Welding Protection
X		Retrieval System for Confined Spaces

Training Requirements

Need	N/A	Area
	X	BASF Safety Orientation
X		MSDS reviews
X		Review of required precautions listed above
X		Review of required PPE listed above
X		Other training (specify) – Confined Space entry

Permit Issuer (PI) Authorization to work	**Permit Acceptor (PA) Agreement / Verification**
☒ Notified all teams of work area	☒ Acknowledge & Agree to listed requirements
☒ Completed review of all sections above	☒ A copy of this SWP will be kept at the work area
☒ Work to start within 2 hours of listed Start Date / Time	☒ I understand written and spoken English and have means to communicate with my employees who cannot
☒ Reviewed requirements with Permit Acceptor	☒ All personnel have been trained in required PPE
	☒ All personnel will be informed of listed requirements
	☒ Safety orientation to be completed as required
PI Signature / Date 12/3/18	PA Signature / Date Brett Sullivan 12/3/18

Permit Issuer (PI) Verification of Completion	**Permit Acceptor (PA) Verification of Completion**
☒ Post-work review of work site okay	☒ Servicing or Maintenance Work activities completed
☒ Equipment / area control returned to BASF	☒ Tools, equipment, materials removed from work site
☒ Reports / other documentation received	☒ All personnel out of work area
☒ Reviewed the noted problem list with provider	☒ Work site as clean as when work started

Problems noted by the servicing or maintenance permit acceptor or those doing the work

Found	Fixed	Left Unfixed	Details

PI Signature / Date 12/3/18 PA Signature / Date Brett Sullivan 12/3/18

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CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED
ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

LOCATION: 180 Mill St, Cranston, RI

DESCRIPTION OF SPACE: Confined Space, Frac tank used for dewatering

PURPOSE OF ENTRY: Frac Tank Down, cleaning before off-site removal

DATE: 12/3/18 **START TIME:** 1120 **ENDING TIME:** 1415

SUPERVISOR(S)	# OF CREW	PHONE
Brett Sullivan	3	401-578-1033

Special Requirements	Yes	No		Special Requirements	Yes	No
Lockout / De-energize				Escape Harness	X	
Lines Broken / Capped	X			Tripod Escape Unit		
Purge / Flush / Vent	X			Lifelines	X	
Ventilation				Fire Extinguishers	X	
Secure Area	X			Lighting		
Protective Clothing	X			Respirator		
S.C.B.A.				Air-line respirator	X	

TEST(S) TO BE TAKEN

Valid for one 8 hr.shift	P.E.L.*	Yes	No	Time 1120	Time 1135	Time 1150	Time 1205	Time 1245	Time 1330	Time 1345	Time 1400	Time 1415
% of Oxygen	-19.5% - +21%	X		20.9	20.9	20.8	20.9	20.9	20.9	20.9	20.9	20.9
% of L.E.L.*	Any % over 10%	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carbon Monoxide	50 ppm	X		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Aromatic Hydrocarbon	10 ppm	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydrocyanic Acid	10 ppm											
Hydrogen Sulfide	10 ppm	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sulfur Dioxide	5 ppm											
Ammonia	25 ppm											

NOTE: CONTINUOUS/PERIODIC TESTS SHALL BE ESTABLISHED BEFORE BEGINING JOB.
ANY QUESTIONS PERTAINING TO TEST REQUIREMENTS SHOULD BE DIRECTED TO: Brett Sullivan

TESTING INSTRUMENTS USED	NAME	TYPE	I.D. NO.
4 Gas Meter	VEntis	MX4	17111PU-001

AUTHORIZED ENTRANTS:	AUTHORIZED ATTENDANTS:	PERMIT AUTHORIZATION
Michael Jones	Chris McCarthy, TC	I certify that all actions and conditions necessary for safe entry have been performed.
		Brett Sullivan (name(print)) Brett Sullivan (signature)
		12/3/18 (Date)

* **PEL = PERMISSIBLE ENTRY LEVEL**
Time
* **LEL = LOWER EXPLOSION LEVEL**

FIRE: 911 **AMBULANCE:** 911 **RESCUE:** 911

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AUTHORIZED ENTRANTS:	AUTHORIZED ATTENDANTS:	PERMIT AUTHORIZATION
[illegible]	[illegible]	I certify that all actions and conditions necessary for safe entry have been performed.
		Brett Sullivan (Name (print))
		Signature: [signature]
		Date: 12/3/18 Time: 1120

Permit Closeout and Debrief

Additional Hazards Noted: Wet surfaces, slips, trips and falls

Entry Supervisor Signature (Closeout Completed)

[signature] Date: 12/3/18

Name (print): Brett Sullivan

FIRE: 911 **AMBULANCE: 911**

RESCUE: Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of Confined Space Entry activities prior to entry. In case of emergency, dial 911.

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CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED
ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

LOCATION: 180 Mill St, Cranston, RI

DESCRIPTION OF SPACE: Confined Space, Frac Tank used for dewatering

PURPOSE OF ENTRY: Frac Tank Design, cleaning before off-site removal

DATE: 12/3/18 **START TIME:** 0930 **ENDING TIME:** 1100

SUPERVISOR(S)	# OF CREW	PHONE
Brett Sullivan	3	401-578-1033

Special Requirements	yes	no	Yes	NO		yes	no	Yes	No
Lockout / De-energize					Escape Harness				
Lines Broken / Capped					Tripod Escape Unit			X	
Purge / Flush / Vent		X			Lifelines				
Ventilation		X			Fire Extinguishers			X	
Secure Area					Lighting			X	
Protective Clothing		X			Respirator				
S.C.B.A.		X			Air-line respirator			X	

TEST(S) TO BE TAKEN

Valid for one 8 hr.shift	P.E.L.*	Yes	No	Time 0930	Time 0945	Time 1000	Time 1015	Time 1030	Time 1045	Time 1100	Time	Time
% of Oxygen	-19.5% - +21%	X		20.9	20.9	20.9	20.9	20.9	20.9	20.9		
% of L.E.L.*	Any % over 10%	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Carbon Monoxide	50 ppm	X		0.0	0.2	0.0	0.0	0.0	0.0	0.0		
Aromatic Hydrocarbon	10 ppm	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Hydrocyanic Acid	10 ppm											
Hydrogen Sulfide	10 ppm	X		0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Sulfur Dioxide	5 ppm											
Ammonia	25 ppm											

NOTE: CONTINUOUS/PERIODIC TESTS SHALL BE ESTABLISHED BEFORE BEGINING JOB.
ANY QUESTIONS PERTAINING TO TEST REQUIREMENTS SHOULD BE DIRECTED TO: Brett Sullivan

TESTING INSTRUMENTS USED	NAME	TYPE	I.D. NO.
4 Gas Meter	VEahs	MX4	17111PU-001

AUTHORIZED ENTRANTS:	AUTHORIZED ATTENDANTS:	PERMIT AUTHORIZATION
Charles McCarthy	Mike Jannos	I certify that all actions and conditions necessary for safe entry have been performed.
		Brett Sullivan (name(print)) Brett Sullivan (signature)
		12/3/18 Date

* PEL = PERMISSIBLE ENTRY LEVEL
Time
* LEL = LOWER EXPLOSION LEVEL

FIRE: 911 **AMBULANCE:** 911 **RESCUE:** 911

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STRATEGIC
ENVIRONMENTAL SERVICES

AUTHORIZED ENTRANTS:	AUTHORIZED ATTENDANTS:	PERMIT AUTHORIZATION
David M. Gentry II	Mike Jones	I certify that all actions and conditions necessary for safe entry have been performed.
		Brett Sullivan (Name (print))
		Signature: Brett Sullivan
		Date: 12/3/18 Time: 0930

Permit Closeout and Debrief

Additional Hazards Noted: Wet surfaces, slips, traps and falls

Entry Supervisor Signature (Closeout Completed)

Brett Sullivan Date: 12/3/18

Name (print): Brett Sullivan

FIRE: 911 **AMBULANCE: 911**

RESCUE: Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of Confined Space Entry activities prior to entry. In case of emergency, dial 911.

SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name Brian Roe	Phone	Email broe@strategic-es.com

Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	12/3/18	**Start/End Time**	0800-0830

Inspection Type
☒ Weekly ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Other

Weather Information
Last Rain Event Date: 12/2/18 **Duration (hrs):** 7 **Approximate Rainfall (in):** 0.58
Rain Gauge Location & Source: On-site weather station (Davis Vantage Pro)
Weather at time of this inspection: Partly Cloudy, 43°F

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		12/3/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	BRIAN ROE		12-3-18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.
FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications RI Soil Erosion and Sediment Control Book	☒Yes ☐No	See photo log	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	☒Yes ☐No		
3	Project wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Standard Specification/RISEC Handbook	☒Yes ☐No		
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	☒Yes ☐No		
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention/spill containment measures	☒Yes ☐No		
7			☐Yes ☐No		
8			☐Yes ☐No		

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☒Yes ☐No ☐ N/A	See photo log ↓	
2	Are appropriate limits of disturbance (LOD) established?	☒Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒ N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒ N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒ N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	❑Yes ❑No ☒ N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	❑Yes ❑No ☒ N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	❑Yes ❑No ☒ N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ❑No ❑ N/A	see photo log	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ❑No ❑ N/A	↓	
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	❑Yes ❑No ☒ N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	❑Yes ❑No ☒ N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	❑Yes ❑No ☒ N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	❑Yes ❑No ☒ N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	❑Yes ❑No ☒ N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	❑Yes ❑No ☒ N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ❑No ❑ N/A	see photo log	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	❑Yes ❑No ☒ N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	❑Yes ❑No ☒ N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ❑No ❑ N/A	see photo log	
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ❑No ❑ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ❑No ❑ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ❑No ❑ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	❑Yes ❑No ☒ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ❑No ❑ N/A	see photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☒Yes ❑No ❑ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ❑No ❑ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ❑No ❑ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ❑No ❑ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ❑No ❑ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ❑No ❑ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A	See photo log	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☒Yes ☐No ☐ N/A	↓	
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☒ N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A	See photo log	
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☒Yes ☐No ☐ N/A	↓	
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A	↓	
	(Other)			

General Field Comments: N/A

Photos:

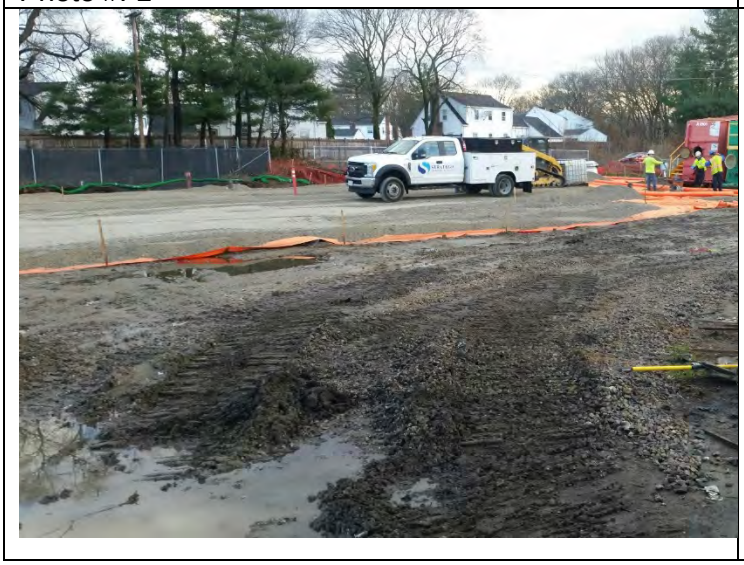
Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102.

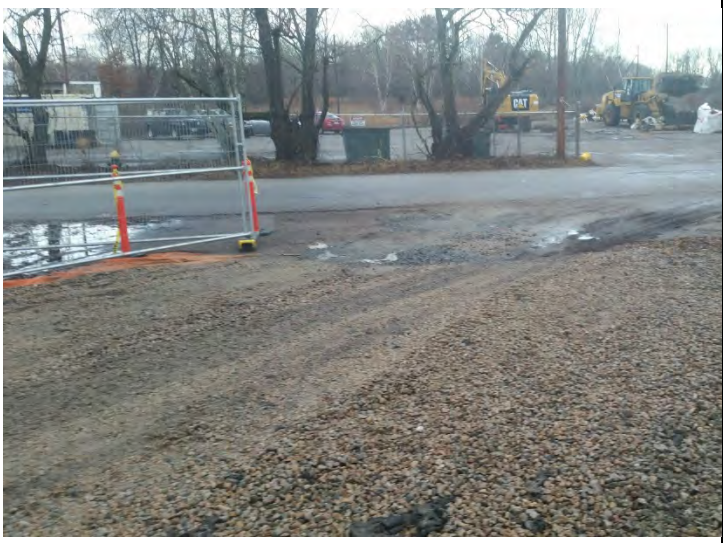
Photo #: 2	Station: Northwest Site
	Description: Construction entrance and roadway cleared on Mill Street.

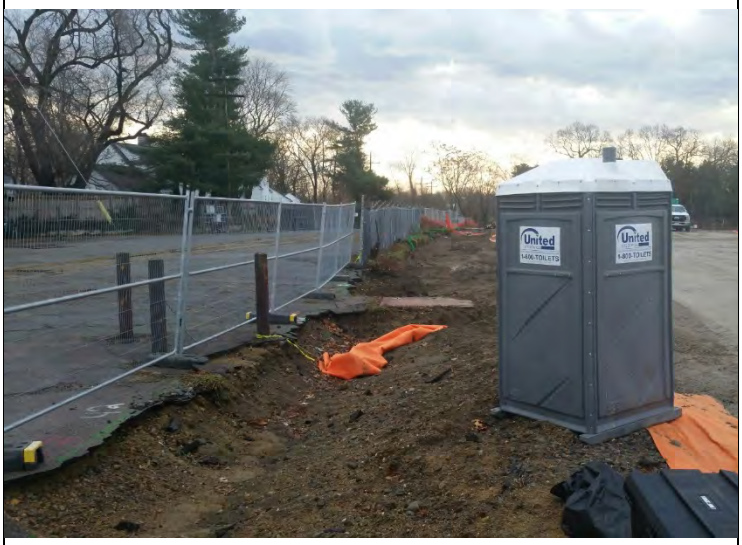
Photo #: 3	Station: North Site
	Description: Wedge cut along north side of site. This wedge cut addresses sediment control onto and offsite. The CFS in this area have been removed.

Photo #: 4	Station: Northeast Site
	Description: Fractionation tanks to manage onsite groundwater removed from excavations.

Photo #: 5	Station: South Site
	Description: Staked CFS along southern property boundary.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
12/3	B ROSE	SES	0630	15:30
12/3	J. LEIGHTON	SES	0700	1530
12/3	Brett Sullivan	SES	0630	1530
12/3	Michael JAMROS	SES	0630	1530
12/3	Aaron Tinq	AEI	0700	1545
12/3/18	Joshua Kiement	AEI	06:46	15:40
12/3/18	Charles McCarthy	SES	0705	1530
12-3-18	ANTHONY DEMAIO	VEOLIA	8:26	~~1:05~~ 1:30
12-3-2018	Ted Demaio	Veolia	8:26	~~1:15~~ 1:30
12-3-18	James Thomas	Veolia	10:00 AM	11:10 AM
12.3.18	John Gatto	Veolia	10 AM	11:10 AM

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 12/4/2018

AEI Consultants

Weather: Partly Cloudy

Daily Precipitation: 0"

Temp: 37-22 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	1	Operators	SES
	1	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	___	
	5	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Josh Klement 1

Visitors On Site: T. Dykstra (SES)

MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators
CAT 996H Loader, 5 and 1 micron filters, vibratory roller
carbon filtration system, CAT D3C dozer
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks
4,000 gallon baffle, 10,000 gallon,and 20,000 gallon frac tanks

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

Emplaced impermeable liner on about 2,400 square feet of the site.

Continued importation of processed gravel for final cover. About 289.7 tons were delivered to the site and stockpiled awaiting final emplacement.

Redig Type 2A and 2B soil locations (half day). About 2.7 cy of Type 2A soil and 5.6 cy of Type 2B soils removed. The Type 2A soils were loaded into a 15-cy dump cannister awaiting transport to the RIRRC facility in Johnston, RI. The Type 2B soils were loaded into the onsite railcars awaiting transport to the WM Emelle facility in Emelle, AL.

Received concrete sample laboratory results from concrete contained within deep excavations. These concrete samples were requested by USEPA as part of the CMI WP revision request submitted in November 2018. The results were forwarded to BASF and then subsequently, upon BASF approval, to USEPA/RIDEM for their review and ultimate approval to the requested CMI WP revisions.

PCB results received within the floodway identified very high PCB concentrations in deeper soils (6 feet bgs). Therefore, AEI informed SES. SES to leave dewatering equipment until excavation scheduling can be determined between AEI and BASF. Depending upon BASF/AEI scheduling discussion, SES may need to provide change request for winter work conditions.

AEI setup perimeter dust monitors and no dust alerts observed onsite.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
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www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 12-4-18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill ST

Contact:

PROJECTS NOTES: MOB TO SITE H&S SAFETY TALK DECON LOADER + CAT 320 REDIG CELL 396 2A 4.45 TON PLACE IN ROLLOFF CAN AND REDIG CELL 377 9.25 TON PLACE INTO 30016 ROLL CAN. MOVE FROC TANKS AND INERT (5) LOADS PASSES LAY FABRIC AND COVER. About ~~8,100 sq ft geotext to~~ ~~cover~~ 2,400 sq ft impermeable.

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	F-S/OP	5:30	6:30	15.0	16.0
C MCCARTHY	F-T	6:30	7:00	15.0	16.5
J LEIGHTON	OP	6:30	7:00	15.0	15.5

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 LOADER
1	CAT SKID STEER HAMMER
1	CAT D3 DOZER
1	ROLLER
1	CAT 320
1	ROLLOFF CAN
1	

SUBCONTRACTORS

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (12-4)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 12/4/18 0700		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN RAFF	
Contact phone # (508) 376-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
~~12/3~~	~~MICHAEL JAMROS~~	~~SES~~	~~MJ~~
12/4	B Raff	SES	
12/4	J. Klement	AER	JK
12/4	T. LEIGHTON	SES	
12/4	C. McCarthy IV	SES	CM
12/4	Aaron Ting		

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Tom Dykstra	SES	11/04/18	